

**Middle School Initiative**

**PART I  
COVER SHEET**

**CAP 1 SEMESTER 1 WEEK 8**

**COURSE:** Wright Brothers Aerospace Education, Achievement 3

**LESSON TITLE:** Airport to Airport – Aeronautical Charts

**LENGTH OF LESSON:** 50 Minutes

**METHOD:** Lecture - Performance

**REFERENCE(S):**

1. *Aerospace Dimensions*, Module 2, Chapter 3, 2000
2. Study Guide, 2000
3. Leader Guide, 2000
4. Resource Guide, 2000

**AUDIO/VISUAL AIDS/HANDOUTS/ACTIVITY MATERIAL(S):** As Needed

**COGNITIVE OBJECTIVE:** To learn how to use an aeronautical chart and what the various symbols and information tell us.

**COGNITIVE SAMPLES OF BEHAVIOR:** Upon completion of this chapter, the cadet should be able to:

1. Describe the basic layout of a sectional chart.
2. Explain the sectional chart legend.
3. Identify latitude and longitude lines.
4. Identify features such as railroads, pipelines, obstructions and highways.
5. Identify all of the information given about an airport.

**AFFECTIVE OBJECTIVE:** N/A

**AFFECTIVE SAMPLES OF BEHAVIOR:** N/A

**Middle School Initiative****PART II  
TEACHING PLAN****Introduction**

**ATTENTION:** Today, you will continue your Aerospace Education studies in *Aerospace Dimensions*, Module 2 with Chapter 3 - Airport to Airport - Aeronautical Charts.

**MOTIVATION:** How are railroads shown on an aeronautical chart? Is there information about an airport on the chart? Today, we will learn the answers to these questions and more.

**OVERVIEW:** During this period, you will continue your aerospace studies with Airport to Airport - Aeronautical Charts.

**Body**

**NOTE:** The instructor should use the lesson plan in the Leader Guide, Pages 9-10. The cadets should use the Study Guide, Page 16.

**Conclusion**

**SUMMARY:** We have studied the material in *Aerospace Dimensions*, Module 2, Chapter 3.

**REMOTIVATION:** Now you understand how to read an aeronautical chart and how to find the information that you need.

**CLOSURE:** Next week, we will continue our AE studies by doing more experiments. **Any questions? See you next week!**

**Middle School Initiative****PART III  
LESSON REVIEW**

**LESSON OBJECTIVE(S):** Today, we learned how to:

1. Describe the basic layout of a sectional chart.
2. Explain the sectional chart legend.
3. Identify latitude and longitude lines.
4. Identify features such as railroads, pipelines, obstructions and highways.
5. Identify all of the information given about an airport.

**LESSON QUESTIONS:** Contained in *Aerospace Dimensions*, Module 2, Chapter 3.